

Senior Master Technician

Position:	TMS-SolTerm. Senior Master Technician in Solid-Solid Phase change Materials for thermal management		
Project:	SolTerm Thermal Solutions based on PCMs for enhancing the efficiency of PV cells		
Professional category:	TMS		
Work Center:	University of Extremadura, Cáceres Campus		
Number of places:	1	Reserve percentage, if applicable:	
Department:	Thermal Energy Storage		
Offer date:	DOE Publication	Deadline for submitting bids:	15 calendar days, counting from the day after publication in the DOE (Official Journal of Extremadura)
Application for participation:	Published together with this call	Form of presentation of the application for participation by applicants:	<u>APPLICANTS MUST SUBMIT ALL DOCUMENTATION FROM SECTION 5 OF THE RULES, indicating Ref. TMS-SolTerm (THERMAL).</u>
Documents to be submitted with the application:	The documents listed in point 5 of the Call Bases.		In addition to the mandatory documentation above, the following will be considered: -Motivation letter (maximum 2 pages) - 1 reference letter
Contact information for sending requests	<p>FUNDECYT-PCTEX (Science and Technology Park Building), Avda. de la Investigación, s/n, PCTEX Building, Campus of the University of Extremadura – 06006 Badajoz (Spain)</p> <p>Email: ciae.personal@fundecyt-pctex.es Telephone: +34 927 690 042 Ext.107</p> <p>www.fundecyt-pctex.es</p> <p>www.ciae.org</p>		
Estimated start date:	2nd quarter of 2026	Probation:	2 MONTHS
Waiting list	Yes, according to the regulations of points 9 and 10 of the Call Bases.		
Conditions and requirements for applicants:	Those established in point 4 of the Call Bases		
Members of the selection body:	President: Breogán Pato Doldán		
	Secretary and member: Marta Peña Balestra		
	Member: Claudia Gómez Aguirre		

JOB OFFER

	Member: Javier Díez Sierra		
Tasks to be developed:	<p>Development of solid phase change materials (S2S-PCMs). Solid-state phase change materials (PCMs) absorb or release heat through reversible transitions between one (solid) crystalline or semicrystalline phase and another (solid) crystalline, semicrystalline, or amorphous phase. The selected TMS will study PCMs that exhibit structural transitions between 30 and 55 °C for integration into PV systems.</p> <p>The selected candidate will perform the following tasks:</p> <ul style="list-style-type: none"> • Rational design, synthesis, and characterization of PCMs that exhibit high-enthalpy solid–solid phase transitions within the selected temperature range. • Evaluation and screening of the PCMs under development. • Optimization for long-term storage. • Scale-up for additional testing in heating/cooling storage systems. • Study of the interaction between PCMs and other systems such as PV systems 		
Academic background:	Bachelor's degree (5 years) or degree (4 years) in Chemistry, Chemical Engineering, Physics, or Materials Engineering, and a Master's degree in Chemistry, Chemical Engineering, or Materials Science..		
Other training:	Desirable: specific training in characterization methods for crystalline solids.		
Contract duration:	Until 25/01/2027 or until the end of the funding		
Remuneration:	Gross Annual Salary: 38.720,97 €	Financing:	Junta de Extremadura, 85% co-financed by FEDER funds.
Details of the selection process:			
<ul style="list-style-type: none"> - Technical test: No - Language : YES (will be evaluated during the interview) - Job interview : YES 			
Evaluation: evaluable criteria and subcriteria	MERIT AND CURRICULAR EVALUATION PHASE (COMPETITION). Until 50 points		
	<ul style="list-style-type: none"> • At least 5 years of work experience in a materials science laboratory (10 points). • Knowledge of solid-state structural characterization techniques: XRD (10 points) • Knowledge of thermal characterization techniques: DSC, TGA, LFA (10 points) • Experience working in research projects (5 points) • English and Spanish 10 points) • Scientific publications will be valued (5 points) 		

JOB OFFER

	INTERVIEW PHASE (OPPOSITION). Until 50 points
	<p>A. Adequacy of knowledge, experience and other requirements (15 points)</p> <p>B. Competency, aptitude, skills and abilities: managerial, organizational, analytical, team management and communication skills (10 points)</p> <p>C. The suitability of the applicant's profile to the position to be filled (15 points)</p> <p>D. Candidate's interest in becoming part of the organization and in the performance of the vacancy (10 points)</p>

FUNDECYT-PCTEX (Science and Technology Park Building), Avda. de la Investigación, s/n, PCTEX Building, Campus of the University of Extremadura – 06006 Badajoz (Spain)

Email: ciae.personal@fundecyt-pctex.es Telephone: +34 927 690 042 Ext. 107

www.fundecyt-pctex.es

www.ciae.org